

SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB#

143568

144463

Requester's Full Name: DAVID VENCI Examiner #: 80284 Date: 2/27/05
Art Unit: 1641 Phone Number 30 2-2879 Serial Number: 10715389
Mail Box and Bldg/Room Location: 3C70 3D68 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or novelty of the invention. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: METHODS AND COMPOSITIONS FOR TAGGING VIA AZIDO SUBSTRATES

Inventors (please provide full names): YINGMING ZHAO, JOHN FALCK

Earliest Priority Filing Date: 11/17/03

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

PLEASE SEARCH FOR THE COMPOUNDS OF CLAIMS 30-32 (SEE ATTACHED CLAIMS) IN COMBINATION WITH ANY OF THE KEYWORDS (SEE ATTACHED KEYWORDS)

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KEYWORDS

GENERAL
THEME →

"farnesylation" "isoprenylation"

GROUP
#1

"Azido farnesyl"

"farnesyl azide"

"azido farnesyl diphosphate"

"azido farnesyl alcohol"

"Tagging-via-Azido-Substrate" (aka "TAS")

"azido tag"

GROUP
#2

"phosphine" (s) ("capture reagent" "substrate" "solid phase" "solid support" "bead"

"resin" "membrane" "particle" "particulate" etc.)

"triphenylphosphine"

iminophosphorane intermediate

"Staudinger reaction"

GROUP
#3

"metabolic incorporation"

"cell uptake"

"cell permeable"

"cell incorporation"

"in vivo labeling"